

Claims

1. Computer system (999), comprising, at least a first application system (901) and a second application system (902) and a database system (900), each application system running at least one application service for at least one application system user; said computer system (999) characterized in that: the database system has at least a first memory portion (920-1) and a second memory portion (920-2), wherein the memory portions are disjunctive; the database system (900) stores at least a first assignment of a first predetermined profile (110) to the first memory portion (920-1) and at least a second assignment of a second predetermined profile (111) to the second memory portion (920-2), wherein the first and second profiles (110, 111) are unique and refer to the first and second application systems (901, 902), respectively; the first application system (901) and the second application system (902) access the first memory portion (920-1) and the second memory portion (920-2), respectively, through the corresponding profiles (110, 111).
2. The computer system (999) of claim 1, wherein the memory portions (920-1, 920-2) store tables (190-193) of the database system (900).
3. The computer system (999) of claim 1, wherein the database system (900) is a parallel server system.

4. The computer system (999) of claim 1, wherein the database system (900) is a relational database system.

5 5. The computer system (999) of claim 1, wherein the database system (900) uses shared memory processors.

6. The computer system (999) of claim 5, wherein the database system (900) uses an operating system that
10 creates multiple logical groups of processors.

7. The computer system (999) of claim 6, wherein each group of processors is assigned to one application system.

15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180
185
190
195
200
205
210
215
220
225
230
235
240
245
250
255
260
265
270
275
280
285
290
295
300
305
310
315
320
325
330
335
340
345
350
355
360
365
370
375
380
385
390
395
400
405
410
415
420
425
430
435
440
445
450
455
460
465
470
475
480
485
490
495
500

8. A method (400) for communication with a database system (900),
the method (400) comprising the steps:
providing (410) at least a first application system
5 (901) and a second application system (902),
wherein each application system runs at least one
application service for a plurality of users
(801, 802) of the application system (901, 902);
connecting (420) the database system (900) with at
10 least the first application system (901) and the
second application system (902);
dividing (430) a memory (920) of the data base system
(900) into at least a first memory portion (920-
1) and a second memory portion (920-2), both
15 portions being disjunctive;
assigning (440) first and second memory portions
(920-1, 920-2) to first and second application
systems (901, 902), respectively; and
accessing (450) first and second memory portions
20 (920-1, 920-2) by the first and second
application systems, respectively (901, 902).
9. The method of claim 8, wherein in the dividing step
(430), the memory portions (920-1, 920-2) store
25 tables (190-193) of the database system (900).
10. The method of claim 8, wherein in the assigning step,
at least one predefined, unique profile of the
database is assigned to each memory portion (920-1,
30 920-2).

11. The method of claim 10, wherein in the assigning step, each predefined profile (920-1, 920-2) is assigned to one of the application systems (901, 902).

5

12. The method of claim 11, wherein in the accessing step, each application system (901, 902) accesses the database system (900) through at least one of the predefined profiles that are assigned to the application system (901, 902).

10

13. The method of claim 8, wherein in the accessing step, accessing is selected from the group of read, write, copy, modify, insert, append and delete.

15

00000000-00000000

14. Application system to database system assignment scheme (180-182), used in a system landscape (900,901,902,990) in that a first application system (901) provides business application services to a first plurality of application users (801); at least a second application system (902) provides business application services to a second plurality of application users (802); the assignment scheme being characterized by a first assignment (180) of a database system (900) that provides database services to a first profile (110) and at least a second profile (111); by further assignments (181, 182) wherein the first application system (901) is assigned to the first profile (110), and the second application system (902) is assigned to the second profile (111).
15. The assignment scheme of claim 14, wherein the first and second profiles are assigned (180) to disjunctive memory portions (920-1, 920-2) in a memory (920) of the database system (900).

16. A computer program product (100/101/102) causing a plurality of processors (910, 911, 912) to provide an application system to database system assignment scheme (180-182), the computer program product

5 (100/101/102) characterized in that

a first program portion (100) causes a processor

(910) of a database system (900) to disjunctively partition a memory (920) of the database system

(900) into a first memory portion (920-1) and at

10 least a second memory portion (920-2) and to provide a first database profile (110) and at least a second database profile (111), where the first and second profiles (110, 111) are assigned to the first and second memory portions (920-1,

15 920-2), respectively;

a second program portion (101) causes a processor

(911) of a first application system (901) to provide at least a first business application service to a first plurality of application users

20 and to use at least the first database profile (110) to communicate data from the first application system (901) to the database system (900); and

at least a third program portion (102) causes a

25 processor (912) of at least a second application system (902) to provide at least a second business application service to a second plurality of application users and to use at least the second database profile (111) to

30 communicate data from the second application system (902) to the database system (900).

17. Computer program product (101/102) causing a processor (911/912) in a computer of an application system (901/902) that executes at least one business application service to communicate with a database computer (900), the computer program product (101/102) characterized in that it causes the processor (911/912) to communicate with the database computer by using a unique profile (110/111) that is assigned (180-183) to the application system, the database computer (900) having a memory (920) logically partitioned into a first portion (920-1) and at least a second portion (920-2), the portions being disjunctive, so that the first portion (920-1) is reserved for data of the application system (901) and the second portion is reserved for data of at least one further application system (902) that is run by a further computer.

18. A computer-readable medium having a plurality of sequences of instructions stored thereon which, when executed by one or more processors, perform the steps of:

5 causing a processor (910) of a database system (900) to disjunctively partition a memory (920) of the database system (900) into a first memory portion (920-1) and at least a second memory portion (920-2) and to provide a first database profile (110) and at least a second database profile (111), where the first and second profiles (110, 111) are assigned to the first and second memory portions (920-1, 920-2), respectively;

10 causing a processor (911) of a first application system (901) to provide at least a first business application service to a first plurality of application users and to use at least the first database profile (110) to communicate data from the first application system (901) to the database system (900); and

15 causing a processor (912) of at least a second application system (902) to provide at least a second business application service to a second plurality of application users and to use at least the second database profile (111) to communicate data from the second application system (902) to the database system (900).